

ffa Software delineates geological information from 3D seismic data with unprecedented clarity, detail and speed. The results can be integrated into any seismic interpretation, 3D modelling or well planning workflows to improve your E&P success.

SVI Pro is a standalone Windows application.

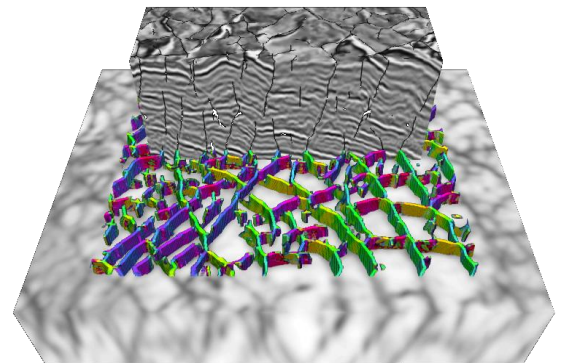
SEA 3D Pro is a Linux application with the option for direct integration with GeoProbe.

Both applications provide flexible licensing options so that you can customise your 3D seismic analysis application to include:

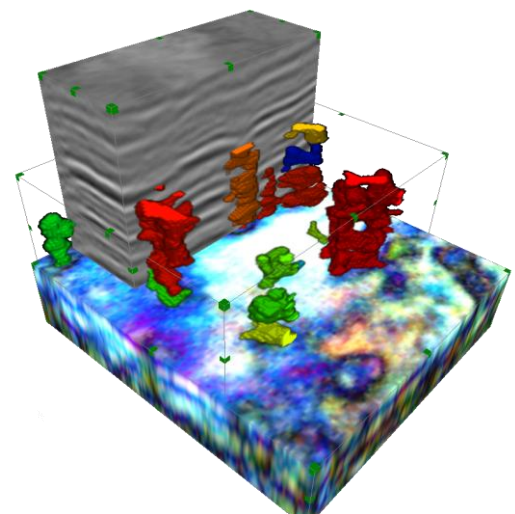
- **Core Application:** volume attribute analysis for rapid data screening and delineation of geological features such as faults or stratigraphic geobodies.
- **Optional Modules:** Innovative and interactive modules enhance the functionality of the Core by expanding the range of workflows.

Core Application:

- **NEW Batch Processor:** “one-click” geology driven workflows
 - **NoiseApp:** specifies different workflows for users to remove Coherent, Random and/or Aggressive Noise
 - **ChannelApp:** highlights and extracts Multi-Event or Single Event Channel systems
 - **FaultApp:** the best fault imaging toolset on the market now has recommended workflows for Fractures, Listric, Flexures and Regional Faults
- **NEW Wells and logs visualized in 2D slice viewers**
- **NEW SEG Y Batch exporter**
- **Noise Reduction:** ffa’s full range of advanced structurally oriented and edge preserving algorithms
- **Comprehensive set of Structural, Stratigraphic and Edge Attributes:** multiple algorithms available for optimal results independent of data quality
- **Stratigraphic Workflows:** including Carbonate and Clastic feature analysis
- **GPU-based processing**
- **Full Resolution Processing of 8, 16 and 32 bit data**
- **Multi-volume Opacity Blends & Advanced Colour Blends**
- **Large Volume Processing and High Fidelity 2D/3D Visualization on Standard Desktop and Laptop Hardware**



*Data courtesy of StatoilHydro
ffa software uses a proprietary visualisation software product of
Mercury Computer Systems SA*

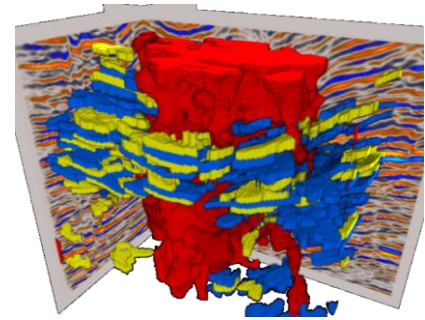


For more information contact:
sales@ffa.co.uk

Interactive Facies Classification:

Interpreter Driven, Real Time Classification

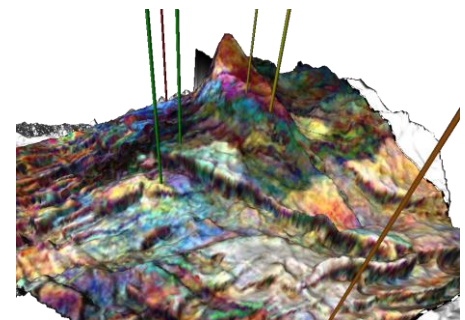
The IFC classifies 3D seismic data based on user selected picks and attribute weightings. The tool utilises cutting edge GPU processing to achieve an instant classification of large and small scale features such as salt domes, channels and karsts.



Frequency Analysis:

Interactive, High Resolution 3D Frequency Analysis

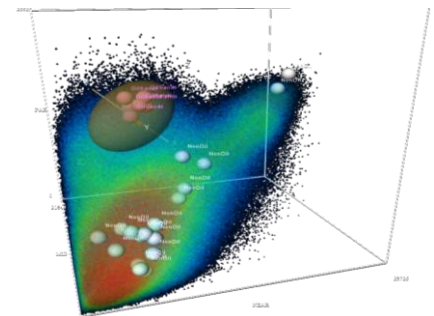
Volumetric Frequency Decomposition reveals important geological features, such as subtle fractures, thin beds and channels for better reservoir delineation and characterisation. It includes volume computation of bandpass, magnitude and phase responses as well as a set of frequency attributes.



Iso-Proportional Slicing:

Rapid Interpretation Objects from any Attribute

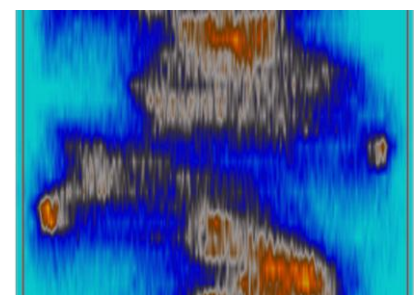
The IPS generates attribute maps at intervals spaced between two non-parallel horizons, around an individual horizon or within a discrete time interval. The surfaces can also be conformant or truncated and a variety of attributes can be calculated over each interval.



Cross Plot:

Intuitive Multi-Attribute Analysis & GeoBody Delineation

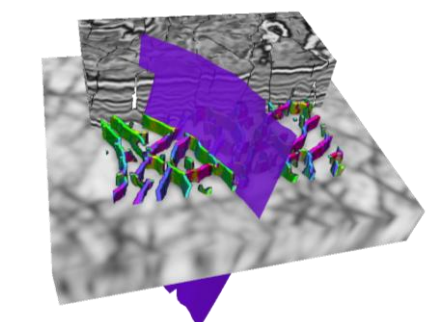
The interactive 2D/3D seismic attribute Cross Plot is designed for detection and differentiation of geological elements based on multiple seismic attribute characteristics. It can highlight and isolate offset anomalies, variations in inversion properties and stratigraphic differences.



Trace Stacking:

User controlled Attribute stacking

Trace Stacking is a 3D attribute vs time/depth cross plot, run within a user defined polygon which can also be constrained by horizon closures. It identifies attribute variation with depth and laterally stable flat events within high dip stratigraphy.



Scan Interp:

Rapid Interpretation Objects from any Attribute

ScanInterp allows rapid interpretation of faults or surfaces whilst scanning through the data along a pre-defined path. The continuous movement of the volume enhances the appearance of the features of interest.

GeoProbe Link*:

Maximise Interpretation Interactivity

The GeoProbe link enables SEA 3D Pro to be opened in an Interactive mode with GeoProbe. Volumes and horizons can be directly transferred between GeoProbe and SEA 3D Pro for seamless integration with your interpretation workflow without data duplication.

* Only available for SEA 3D Pro

Delivering the Next Generation of 3D Seismic Analysis Tools to your Desktop Today!